CLAIMS

1. A radio controlled time piece which receives a standard radio wave signal including a standard time information signal and performs time correction based on the standard time information signal, comprising a receiving means, a timekeeping means for keeping time or calendar information, a display means, a control means for controlling a drive condition of said timekeeping means, an external input means, and a control information storage means, wherein when performing singularly or consecutively a time-programmed receiving operation that operates when a prescribed timekeeping value of said timekeeping means is reached at a predetermined time keeping information, based on a first receiving method, and a forced reception operation which operates by operation of said external input means, based on a second receiving operation method, said first receiving method of time-programmed receiving operation and said second receiving method of forced receiving operation are established so as to be mutually different.

2. A radio controlled time piece according to claim 1, wherein said condition of said first receiving method and said second receiving method being set so as to be mutually different is established by levels of receiving success thereof being different.

3. A radio controlled time piece according to claim 1 or claim 2, wherein said condition of said level of receiving success are mutually different is established by number of trial driving times of said receiving means for receiving the standard radio wave signal being different.

4. A radio controlled time piece according to any one of claims 1 to 3, wherein a plurality of different time-programmed receiving operation modes are provided, in said time-programmed receiving operation.

5. A radio controlled time piece according to claim 4, wherein a time-programmed receiving operation is performed by a second time-programmed receiving operation mode only in a

case in which a time-programmed receiving operation by a first time-programmed receiving operation mode cannot receive said standard radio wave.

6. A radio controlled time piece according to claim 4 or claim 5, wherein said first time-programmed receiving operation mode and said second time-programmed receiving operation mode differ at least partially in terms of the time at which said time-programmed receiving operation is executed.

7. A radio controlled time piece according to any one of claims 1 to 6, wherein a plurality of mutually different forced receiving operation modes are provided, in said forced receiving operation.

8. A radio controlled time piece according to any one of claims 1 to 7, wherein in said time-programmed receiving operation mode in a case in which there is a history of receiving success in time-programmed receiving operation within a prescribed period of time, a receiving means is not operated at a next time-programmed receiving operation mode, and receiving operation is not performed.

9. A radio controlled time piece according to any one of claims 1 to 8, configured so that receiving is possible of a plurality of types of standard radio wave signals.

10. A radio controlled time piece according to claim 9, wherein said receiving means can receive said plurality of types of standard radio wave signals even in the case in which receiving stations or frequencies differ.

11. A radio controlled time piece according to claim 9, wherein in said time-programmed receiving operation an n-th time-programmed receiving operation mode and an (n+1)th time-programmed receiving operation mode are provided, and further wherein the standard radio wave signals received by each of said time-programmed receiving operation modes are mutually different.

12. A radio controlled time piece according to claim 9, wherein in said time-programmed receiving operation an n-th time-programmed receiving operation mode and an (n+1)th time-

programmed receiving operation mode are provided, and wherein a receiving operation is performed in said (n+1)th time-programmed receiving operation mode only in a case in which it is not possible to receive a prescribed standard radio wave signal in said n-th time-programmed receiving operation.

13. A radio controlled time piece according to claim 11, wherein a radio wave signal from an n-th receiving station is received in said n-th time-programmed receiving operation mode, and a radio wave signal from an (n+1)th receiving station is received, in said (n+1)th time-programmed receiving operation mode.

14. A radio controlled time piece according to claim 11, wherein a radio wave signal having an n-th frequency is received in said n-th time-programmed receiving operation mode, and a radio wave signal having an (n+1)th frequency is received in said (n+1)th time-programmed receiving operation mode.

15. A radio controlled time piece according to any one of claims 9 to 14, wherein in said forced receiving operation one receiving station is selected from a plurality of types of receiving stations.

16. A radio controlled time piece according to claim 15, wherein, in an operation of selecting one station from a plurality of types of receiving stations, an operation of mutually different operation means or mutually different operations of one and the same operation means performs selection of a receiving station.

17. A radio controlled time piece according to claim 15 or claim 16, wherein in said time-programmed receiving operation of receiving, a receiving station selected by said forced receiving operation, is determined as a first receiving station to be received among a plurality of receiving stations.

18. A radio controlled time piece according to any one of claims 9 to 17, wherein, based on receiving history information of a prescribed period of time of receiving a plurality of types of standard radio waves signals from a

plurality of types of receiving stations, a receiving station judged to have the highest rate of receiving success in said receiving history information is taken as the receiving station to be received first in subsequent time-programmed receiving operation.

19. A radio controlled time piece according to any one of claims 9 to 17, wherein, based on receiving history information of a prescribed period of time of receiving a plurality of types of standard radio waves signals from a plurality of types of receiving stations, the frequency of a receiving station judged to have the highest rate of receiving success in said receiving history information is taken as the frequency of the receiving station to be received first in subsequent time-programmed receiving operation.

20. A radio controlled time piece according to claim 11, wherein in said time-programmed receiving operation a first time-programmed receiving operation and a second time-programmed receiving operation are always executed.

21. A radio controlled time piece according to claim 11, wherein in said time-programmed receiving operation of only one of a first time-programmed receiving operation and a second time-programmed receiving operation is repeated.

22. A radio controlled time piece according to claim 9, capable of receiving said plurality of types of standard radio waves, wherein said forced receiving operation performs receiving of a plurality of types of standard radio waves, and wherein said time-programmed receiving operation receives one standard radio wave of a plurality of types of standard radio waves.

23. A radio controlled time piece according to claim 22, wherein in said time-programmed receiving operation one prescribed standard radio wave of a plurality of types of standard radio waves is one standard radio wave for which an immediately previous receiving succeeded among a plurality of standard radio waves to be received using forced receiving operation.

24. A radio controlled time piece according to claim 22, wherein in said time-programmed receiving operation one prescribed standard radio wave of a plurality of types of standard radio wave is, based on receiving history information for a prescribed period of time of receiving of a plurality of standard radio waves, a one having the highest receiving success rate of said receiving history information.

25. A time correction method in a radio controlled time piece configured so as to perform time correction based on receiving a standard radio wave including a standard time information signal, comprising a first receiving method step of performing time-programmed receiving operation based on a first receiving method and a second receiving method step of performing forced receiving operation based on a second receiving method, wherein, when singularly or consecutively performing said first receiving method step and said second receiving method step, said first receiving method step and second receiving method step mutually differ.

26. A time correction method according to claim 25, wherein a plurality of types of standard radio wave are received.

27. A time correction method according to claim 26, wherein in forced receiving operation of said second receiving method step, select is made of one of a plurality of receiving stations.